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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Meluch, et al.Application No./Patent No.: 09/317,657 Filed/Issue Date: May 24, 1999Entitled: Melt-Spun Polysulfone Semiporous Membranes and Methods for Making the SameAlthin Medical, Inc., a Corporation,

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel xxxxxx, Frame xxxxxx for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

**NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

8/10/00

Date

Signature

Marla S. Persky

Typed or printed name

General Manager

Title

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Art Unit 1307

Meluch et al.

Application No. 08/932,680

Filed: September 18, 1997

For: MELT-SPUN POLYSULFONE  
SEMIPERMEABLE  
MEMBRANES AND METHODS  
FOR MAKING THE SAME

Examiner: --

Date: September 25, 1998

**SUPPLEMENTARY DECLARATION BY JOINT INVENTORS**  
**ON BEHALF OF OMITTED INVENTOR WHO CANNOT BE FOUND**  
**OR REACHED FOR SIGNATURE OF DECLARATION (37 C.F.R. § 1.47(a))**

This paper is supplementary to the Combined Declaration and Power of Attorney for the above-referenced application.

I am a joint named on the Combined Declaration of Power of Attorney for Patent Application signed by me in conjunction with the above-identified application, on my own behalf. I also sign this declaration under 37 C.F.R. § 1.47(a) on behalf of the seventh-named joint inventor who refuses to sign, particulars for whom are:

Full name of seventh joint inventor who refuses to sign:

LALITH K. SILVA

Country of Citizenship of seventh inventor: Sri Lanka

Last known address of seventh inventor: 3450 Evans Road, Apt. 138B  
Chamblee, GA 30341-5861

I also sign this declaration under 37 C.F.R. § 1.47(a) on behalf of the third-named joint inventor who cannot be found or reached, particulars for whom are:

Full name of third joint inventor who cannot be found or reached:

HAMID JAANINE

Country of Citizenship of third inventor: Morocco

Last known address of third inventor: 1045 NW 81st Ter  
Fort Lauderdale, FL 33322

Accompanying this declaration is:

- (1) A Declaration of Facts in Support of Filing on Behalf of Omitted Third Inventor;
- (2) A Declaration of Facts in Support of Filing on Behalf of Seventh Omitted Inventor; and
- (3) Petition Fee of \$130.00 (37 C.F.R. § 1.17(h)).

TIMOTHY B. MELUCH

(Name of first joint inventor signing  
on behalf of the omitted third inventor  
and seventh inventor)



Signature

02 Oct 98

Date

CHUNG-YUAN CHIANG

(Name of second joint inventor  
signing on behalf of the omitted third  
inventor and seventh inventor)



Signature

Oct - 02 / 98

Date

THANH NGUYEN

(Name of fourth joint inventor  
signing on behalf of the omitted third  
inventor and seventh inventor)



Signature

10/2/98

Date

JOHN M. RADOVICH

(Name of fifth joint inventor signing  
on behalf of the omitted third inventor  
and seventh inventor)

John M. Radovich

Signature

9/29/98

Date

KEES RUZIUS

(Name of sixth joint inventor signing  
on behalf of the omitted third inventor  
and seventh inventor)

Kees Ruzius

Signature

10/17/98

Date

GEORGE WASHINGTON

(Name of eighth joint inventor  
signing on behalf of the omitted third  
inventor and seventh inventor)

George Washington

Signature

10/02/98

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Meluch, et al.

Docket No.: ALT-5612 DIV I

Serial No.: 09/317,657

Examiner: D. Truong

Filed: May 24, 1999

Group Art Unit: 1711

Title: MELT-SPUN POLYSULFONE  
SEMIPERMEABLE MEMBRANES AND  
METHODS FOR MAKING THE SAME

Assistant Commissioner of Patents  
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE  
AND REVOCATION OF PRIOR POWER OF ATTORNEY

As an authorized agent of the Assignee of record of the entire interest of this application, Althin Medical Inc., I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith: Messrs. Robert M. Barrett (30,142), Patricia Kane (46,446), Michael S. Leonard (37,557), and William E. Vaughan (39,056), all members of the firm of Bell Boyd & Lloyd, A Professional Corporation, and Charles R. Mattenson (30,600) and Paula J. Kelly (37,624) of Baxter International Inc.

Please send correspondence to:

Paula J. Kelly, Esq.  
Baxter International Inc.  
One Baxter Parkway, DF3-3E  
Deerfield, Illinois 60015-4633  
Telephone: 847/948-3866  
Facsimile: 847/948-3078

Date: 8/10/00

Marla S. Persky  
Title: General Manager  
Althin Medical Inc.  
An Affiliate of Baxter International Inc.  
One Baxter Parkway, DF3-3E  
Deerfield, Illinois 60015-4633

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

**As a below named inventor, I hereby declare that:**

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled MELT-SPUN POLYSULFONE SEMIPERMEABLE MEMBRANES AND METHODS FOR MAKING THE SAME, the specification of which

is attached hereto.

was filed on September 18, 1997 as Application No. 08/932,680.

was described and claimed in PCT International Application No. \_\_\_\_\_, filed on \_\_\_\_\_, and as amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

and was amended on \_\_\_\_\_ (if applicable).

with amendments through \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56. If this is a continuation-in-part application filed under the conditions specified in 35 U.S.C. § 120 which discloses and claims subject matter in addition to that disclosed in the prior copending application, I further acknowledge the duty to disclose material information as defined in 37 CFR § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT International application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed:

**Prior Foreign Application(s)**

Priority  
Claimed

**(Number)** **(Country)** **(Day/Month/Year Filed)** **[ ]** **[ ]**  
Yes No

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

(Application No.)

(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as

defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

(Application No.) (Filing Date) (Status: patented, pending, abandoned)

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from \_\_\_\_\_ as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application, to file a corresponding international application, and to transact all business in the Patent and Trademark Office connected therewith:

Name	Reg. No.	Name	Reg. No.
Kenneth S. Klarquist	16,445	Stacey C. Slater	36,011
James Campbell	19,978	Garth A. Winn	33,220
James S. Leigh	20,434	Stephen A. Wight	37,759
Arthur L. Whinston	19,155	Joel R. Meyer	37,677
David P. Petersen	28,106	Joseph T. Jakubek	34,190
Richard J. Polley	28,107	Robert F. Scotti	39,830
Ramon A. Klitzke II	30,188	Gregory V. Bean	36,448
William Y. Conwell	31,943	David J. Earp	41,401
Mark L. Becker	31,325	Lisa M. Caldwell	41,653
William D. Noonan	30,878	Michael D. Jones	41,879
John D. Vandenberg	31,312	Steven D. Yates	42,242
John W. Stuart	24,540		
Donald L. Stephens Jr.	34,022		

Address all telephone calls to Lisa M. Caldwell at telephone number (503) 226-7391.

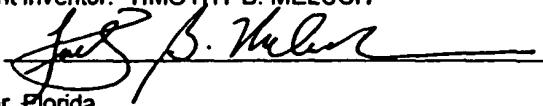
Address all correspondence to:

KLARQUIST SPARKMAN CAMPBELL  
LEIGH & WHINSTON, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, OR 97204-2988

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: TIMOTHY B. MELUCH

Inventor's signature



02 Oct 98  
Date

Residence: Miramar, Florida

Citizenship: United States of America

Post Office address: 18205 SW 29th St, Miramar, Florida 33029

Full name of second joint inventor: CHUNG-YUAN CHIANG

Inventor's signature C.Y. Chiang

10/2/98

Date

Residence: Pembroke Pines, Florida

Citizenship: Taiwan

Post Office address: 11751 NW 12th St., Pembroke Pines, Florida 33026

Full name of third joint inventor: HAMID JAANINE

Inventor's signature (see attached Supplementary Declaration)

Date

Residence: Fort Lauderdale, Florida

Citizenship: Morocco

Post Office address: 1045 NW 81st Ter, Fort Lauderdale, Florida 33322-5778

Full name of fourth joint inventor: THANH NGUYEN

Inventor's signature Thanh Nguyen

10/2/98

Date

Residence: Pembroke Pines, Florida

Citizenship: Canada

Post Office address: 1740 NW 166th Avenue, Pembroke Pines, Florida 33028

Full name of fifth joint inventor: JOHN M. RADOVIĆH

Inventor's signature John M. Radovich

9/29/98

Date

Residence: Fort Lauderdale, Florida

Citizenship: United States of America

Post Office address: 1244 Waterview Court, Fort Lauderdale, Florida

Full name of sixth joint inventor: KEES RUZIUS

Inventor's signature Kees Ruzius

10/17/98

Date

Residence: Miami, Florida

Citizenship: Netherlands

Post Office address: 7621 SW 174th St., Miami, Florida 33157

Full name of seventh joint inventor: LALITH K. SILVA

Inventor's signature (see attached Supplementary Declaration)

Date

Residence: Atlanta, Georgia

Citizenship: Sri Lanka

Post Office address: 3450 Evans Rd., Atlanta, Georgia 30341

Full name of eighth joint inventor: GEORGE WASHINGTON

Inventor's signature

10/02/98 Date

Date \_\_\_\_\_

Residence: Miramar, Florida

Citizenship: United States of America

Post Office address: 9511 Chelsea Drive, Miramar, Florida 33025

Attorney's Matter No. 954-48541

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Art Unit: 1307

Meluch et al.

Application No.: 08/932,680

Filed: September 18, 1997

For: MELT-SPUN POLYSULFONE  
SEMIPERMEABLE MEMBRANES AND  
METHODS FOR MAKING THE SAME

Examiner: --

Date: November 9, 1998

**STATEMENT OF FACTS IN SUPPORT OF FILING ON BEHALF OF  
NON-SIGNING INVENTOR HAMID JAANINE (37 C.F.R. § 1.47(a))**ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON D.C. 20231

This statement is made as to the exact facts that are relied upon to establish that diligent effort has been made to secure the execution of the declaration by the non-signing inventor Hamid Jaanine (inventor cannot be found or reached) for the above-identified patent application before deposit thereof in the Patent and Trademark Office.

This statement is made by the available persons having first-hand knowledge of the facts recited therein.

**IDENTIFICATION OF PERSONS MAKING THIS STATEMENT OF FACTS**

Lisa M. Caldwell  
KLARQUIST SPARKMAN CAMPBELL  
LEIGH & WHINSTON, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204

Donald L. Stephens Jr.  
KLARQUIST SPARKMAN CAMPBELL  
LEIGH & WHINSTON, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204

**LAST KNOWN ADDRESS OF THE NON-SIGNING INVENTOR**

Hamid Jaanine  
1045 NW 81<sup>st</sup> Terrace  
Fort Lauderdale, FL 33322-5778

**DETAILS OF EFFORTS TO REACH NON-SIGNING INVENTOR HAMID JAANINE**

1. On April 3, 1997, Donald Stephens Jr., Esq., an attorney acting on behalf of Althin Medical, Inc., (the assignee of the above-identified patent application), sent a Combined Declaration and Power of Attorney document to Onelia A. Vera-Littrell, Esq., General Counsel at Althin Medical, Inc., to obtain the signatures of the joint inventors for the subject patent application (Exhibit A). Hamid Jaanine was included in the Declaration as the third joint inventor.

2. On April 12, 1997, Josefina Vazquez, the Secretary to General Counsel at Althin Medical, Inc. ("Althin"), returned the Declaration with the signatures of all of the inventors except the signatures of Hamid Jaanine and Lalith Silva. An accompanying letter (dated April 12, 1997) stated that persons at Althin did not know the whereabouts of Hamid Jaanine (Exhibit B).

3. On May 22, 1997, Donald Stephens sent a letter to Onelia A. Vera-Littrell requesting information regarding efforts made by persons at Althin to locate Hamid Jaanine (Exhibit C).

4. On June 23, 1997, Onelia A. Vera-Littrell sent a letter to Donald Stephens giving the last known address for Hamid Jaanine, as 7411 N.W. 10 Court, Plantation, Florida, 33313 July 17, 1997 (Exhibit D).

5. On July 3, 1997, Donald Stephens spoke with Onelia A. Vera-Littrell via telephone to discuss further action to be taken to locate Hamid Jaanine, including sending a Declaration for Hamid Jaanine's signature to the last known address for Jaanine Hamid, as known by Althin. Onelia A. Vera-

Littrell stated that she believed that Hamid Jaanine may no longer be located in the United States. A copy of notes taken by Donald Stephens during the July 3, 1997, telephone conversation are included herein (Exhibit E).

6. On July 17, 1997, a Combined Declaration and Power of Attorney document was sent to Hamid Jaanine at 7411 N.W. 10 Court, Plantation, Florida, 33313. The Declaration was sent to Hamid Jaanine via United States Postal Service, Certified Mail with requests for "Showing to Whom Delivered, Date, and Addressee's Address" and "Restricted Delivery" (U.S. Postal Service Article Number P 918 996 395). The receipt was returned by the U.S. Postal Service, but the signature of the receiving party on the receipt is illegible. The Declaration was never returned to Donald Stephens nor to any person at Althin. Copies of the July 17, 1997, cover letter and Combined Declaration and Power of Attorney documents sent to Hamid Jaanine, and the accompanying Certified Mail Receipts are included herein (Exhibit F).

7. On July 18, 1997, a second Combined Declaration and Power of Attorney document was sent to Hamid Jaanine at 7411 N.W. 10 Court, Plantation, Florida, 33313. The second copy of the Declaration was sent to Hamid Jaanine via United States Postal Service, Certified Mail with requests for "Showing to Whom Delivered, Date, and Addressee's Address" and "Restricted Delivery" (U.S. Postal Service Article Number P 918 996 393). The receipt was returned by the U.S. Postal Service, but the signature of the receiving party on the receipt is illegible. The Declaration was returned to Donald Stephens. Copies of the July 17, 1997 cover letter sent to Hamid Jaanine and the accompanying Certified Mail Receipts, along with a copy of the returned Declaration, are included herein (Exhibit G).

8. On September 9, 1997, a "Supplementary Declaration By Joint Inventor On Behalf of Omitted Inventor Who Cannot Be Reached" document was sent to Hamid Jaanine at 7411 N.W. 10 Court, Plantation, Florida, 33313. The Supplementary Declaration was sent to Hamid Jaanine via UPS Next Day Air (UPS Shipper No. 8305014626). The Supplementary

Declaration was never returned to Donald Stephens nor to any person at Althin.

Copies of the September 9, 1997, cover letter and Supplementary Declaration documents sent to Hamid Jaanine, and the accompanying UPS Next Day Air receipt, are included herein as **Exhibit H**.

9. On September 19, 1997, Donald Stephens sent a letter to Onelia A. Vera-Littrell, stating that the attempts to obtain the Supplementary Declaration from Hamid Jaanine were unsuccessful and that attempts to reach Hamid Jaanine via telephone were also unsuccessful. A copy of the September 19, 1997 letter is included herein (**Exhibit I**).

10. On January 2, 1998, an Internet search was conducted in attempt to locate a more recent address for Hamid Jaanine. An Excite People Finder search (copy of search enclosed as **Exhibit J**) was conducted and the following address was listed for Hamid Jaanine: 1045 N.W. 81st Terrace, Fort Lauderdale, Florida 33322-5778, with a listed telephone number of 954-382-9291.

11. On January 2, 1998, an Alta Vista Internet search (copy of search enclosed as **Exhibit K**) for a recent address for Hamid Jaanine was also conducted for all listed "Jaanines" names. No "Hamid Jaanines" were located by the Alta Vista search.

12. On January 2, 1998, a Lycos Peoplefind Internet search (copy of search enclosed as **Exhibit L**) was conducted and the following address was listed for Hamid Jaanine: 1045 N.W. 81st Terrace, Fort Lauderdale, Florida 33322.

13. On May 12, 1998, Donald Stephens attempted to reach Hamid Jaanine via telephone at the listed telephone number of 954-382-9291. A recording stated that the number was disconnected. A copy of Donald Stephens' notes evidencing the attempt to contact Hamid Jaanine via telephone is included as **Exhibit M**.

14. On May 15, 1998, another Excite People Finder Internet search (copy of search enclosed as Exhibit N) was conducted and the following address was listed for Hamid Jaanine: 1045 N.W. 81st Terrace, Fort Lauderdale, Florida 33322.

15. On September 14, 1998, a Netcenter Internet search (copy of search enclosed as Exhibit O) was conducted and the following address was listed for Hamid Jaanine: 1045 N.W. 81st Terrace, Fort Lauderdale, Florida 33322; a telephone number of 954-382-9291 was also listed.

16. On September 25, 1998, another Combined Declaration and Power of Attorney and a Supplementary Declaration were sent to Hamid Jaanine at 1045 N.W. 81st Terrace, Fort Lauderdale, Florida 33322 (the most recent known address, as found via the above described Internet searches). The Declarations were sent to Hamid Jaanine via United States Postal Service, Certified Mail with requests for "Showing to Whom Delivered, Date, and Addressee's Address" and "Restricted Delivery" (U.S. Postal Service Article Number P 918 996 142). The receipt was not returned by the U.S. Postal Service. The U.S. Postal Service stated that they did not know why the receipt was never returned and stated that they are unable to locate the receipt or to trace the package. Neither was the Declaration returned to Donald Stephens, nor to any person at Althin. Copies of the July 17, 1997 cover letter and Declaration documents sent to Hamid Jaanine, and the accompanying copies of the Certified Mail Receipts are included herein (Exhibit P).

17. On September 25, 1998, Lisa Caldwell made a last attempt to reach Hamid Jaanine via telephone at telephone number 954-382-9291. A recording stated that the number was disconnected and no forwarding telephone

number was given. A copy of Lisa Caldwell's notes evidencing the attempt to contact Hamid Jaanine via telephone is included as **Exhibit Q**.

Date: Nov. 9, 1998

Lisa M. Caldwell  
Lisa M. Caldwell  
Registration No. 41,653

Date: Nov 9, 1998

Donald L. Stephens  
Donald L Stephens Jr.  
Registration No. 34,022

## ASSIGNMENT

WHEREAS, I, HAMID JAANINE, of Plantation, County of Broward, State of Florida, together with my coinventors, TIMOTHY B. MELUCH, of Miramar, County of Broward, State of Florida, CHUNG-YUAN CHIANG, of Pembroke Pines, County of Broward, State of Florida, THANH NGUYEN, of Pembroke Pines, County of Broward, State of Florida, KEEPS RUZIUS, of Miami, County of Dade, State of Florida, LALITH K. SILVA, of Chamblee, County of Dekalb, State of Georgia, and GEORGE WASHINGTON, of Miramar, County of Broward, State of Florida, have invented a certain invention entitled MELT-SPUN POLYSULFONE SEMIPERMEABLE MEMBRANES AND METHODS FOR MAKING THE SAME for which application for Letters Patent was filed in the United States Patent and Trademark Office on December 31, 1996, and was assigned application Serial No. 08/774,732; and

WHEREAS, ALTHIN MEDICAL, INC., a corporation organized under the laws of the State of Delaware, having a place of business at 14620 N.W. 60th Avenue, Miami Lakes, Florida 33014, is desirous of acquiring an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, HAMID JAANINE, hereby sell, assign and transfer to ALTHIN MEDICAL, INC., the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by ALTHIN MEDICAL, INC., for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to ALTHIN MEDICAL, INC., or its successors and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid

ALTHIN MEDICAL, INC., its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at FT LAUD. (city), State of Florida, this 31 day of July, 1997.

HAMID JAANINE  
HAMID JAANINE

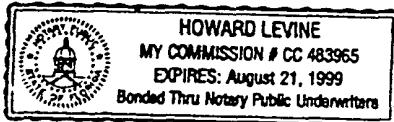
At FT LAUD, Florida

(City)  
on this 31 day of July, 1997

STATE OF FLORIDA )  
 ) ss.  
COUNTY OF BROWARD )

This 31 day of July, 1997, before me personally came the above-named HAMID JAANINE, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[SEAL]



Howard Levine  
Notary Public for Florida  
My commission expires: 8/21/99.

18BB.MRG - Rev. 7/6/94

## ASSIGNMENT

WHEREAS, we, TIMOTHY B. MELUCH, of Miramar, County of Broward, State of Florida, CHUNG-YUAN CHIANG, of Pembroke Pines, County of Broward, State of Florida, THANH NGUYEN, of Pembroke Pines, County of Broward, State of Florida, KEEPS RUZIUS, of Miami, County of Dade, State of Florida, and GEORGE WASHINGTON, of Miramar, County of Broward, State of Florida, together with our co-inventors HAMID JAANINE, of Fort Lauderdale, County of Broward, State of Florida, JOHN M. RADOVICH, of Fort Lauderdale, County of Broward, State of Florida, and LALITH K. SILVA, of Atlanta, County of Fulton, State of Georgia, have invented a certain invention entitled MELT-SPUN POLYSULFONE SEMIPERMEABLE MEMBRANES AND METHODS FOR MAKING THE SAME for which application for Letters Patent was filed in the United States Patent and Trademark Office on September 18, 1997, and was assigned Application No. 08/932,680, which is a continuation of Application No. 08/774,732, filed on December 31, 1996; and

WHEREAS, ALTHIN MEDICAL, INC., a corporation organized under the laws of the State of Delaware, having a place of business at 14620 N.W. 60th Avenue, Miami Lakes, Florida 33014, is desirous of acquiring an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, TIMOTHY B. MELUCH, CHUNG-YUAN CHIANG, THANH NGUYEN, KEEPS RUZIUS, and GEORGE WASHINGTON, hereby sell, assign and transfer to ALTHIN MEDICAL, INC., the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions

thereof, to be held and enjoyed by ALTHIN MEDICAL, INC., for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to ALTHIN MEDICAL, INC., or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid ALTHIN MEDICAL, INC., its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date opposite our respective signatures below.

At Miami Lakes, FL  
(City and State)  
on this 2<sup>nd</sup> day of Oct., 1998

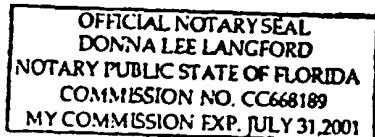
  
~~TIMOTHY B. MELUCH~~

STATE OF FLORIDA )  
                          MIAMI, — ) ss.  
COUNTY OF DADE )

This 2 day of October, 1998, before me personally came the above-named TIMOTHY B. MELUCH, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

  
\_\_\_\_\_  
Notary Public for Florida  
My commission expires: 7/31/2001

[SEAL]



At Miami Lakes, FL

(City and State)  
on this 2<sup>nd</sup> day of Oct, 1998

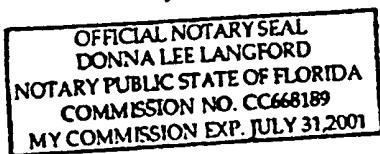
C.Y. Chiang  
CHUNG-YUAN CHIANG

STATE OF FLORIDA )  
COUNTY OF Dade )  
ss.

This 2 day of October, 1998, before me personally came the above-named CHUNG-YUAN CHIANG, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Dawn Jan Ford  
Notary Public for Florida  
My commission expires: 7/31/2001

[SEAL]



Thanh Nguyen  
THANH NGUYEN

At Miami Lakes, FL

(City and State)

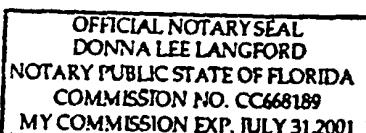
on this 2 day of October, 1998

STATE OF FLORIDA )  
 ) ss.  
COUNTY OF Miami-Dade )

This 2 day of October, 1998, before me personally came the above-named THANH NGUYEN, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Donna Lee Langford  
Notary Public for Florida  
My commission expires: 7/31/2001

[SEAL]



Kees Ruzius

At \_\_\_\_\_

(City and State)  
on this    day of       , 1998

STATE OF FLORIDA )  
 )  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 1998, before me personally came the above-named KEES RUZIUS, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

**Notary Public for Florida**  
**My commission expires:**

[SEAL]

~~GEORGE WASHINGTON~~

At MIAMI LAKES, FL

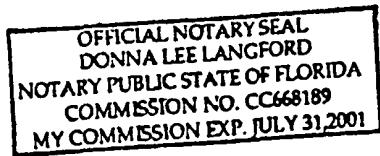
(City and State)  
on this 22 day of OCT., 1998

STATE OF FLORIDA )  
COUNTY OF MIAMI DADE )  
ss.

This 2 day of October, 1998, before me personally came the above-named GEORGE WASHINGTON, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

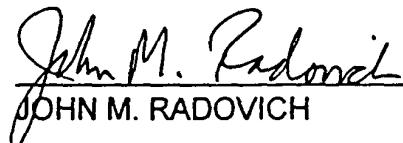
  
Diane Langford  
Notary Public for Florida  
My commission expires: 7/31/99

[SEAL]



assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to ALTHIN MEDICAL, INC., or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid ALTHIN MEDICAL, INC., its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date opposite my signature below.

  
JOHN M. RADOVICH

At \_\_\_\_\_

(City and State)  
on this \_\_\_\_\_ day of \_\_\_\_\_, 1998

STATE OF FLORIDA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_\_ day of \_\_\_\_\_, 1998, before me personally came the above-named JOHN M. RADOVICH, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public for Florida  
My commission expires:

[SEAL]



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MARCH 30, 1999

PTAS

KLARQUIST SPARKMAN CAMPBELL, ET AL.  
LISA M. CALDWELL  
ONE WORLD TRADE CENTER, SUITE 1600  
121 SW SALMON STREET  
PORTLAND, OR 97204-2988



\*100928318A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMRNT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 12/21/1998

REEL/FRAME: 9649/0953

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

MELUCH, TIMOTHY B.

DOC DATE: 10/02/1998

ASSIGNEE:

CHIANG, CHUNG-YUAN

DOC DATE: 10/02/1998

ASSIGNEE:

NGUYEN, THANH

DOC DATE: 10/02/1998

ASSIGNEE:

RUZIUS, KEESE

DOC DATE: 10/02/1998

ASSIGNEE:

WASHINGTON, GEORGE

DOC DATE: 10/02/1998

ASSIGNEE:

ALTHIN MEDICAL, INC.  
14620 NW 60TH AVENUE  
MIAMI LAKES, FLORIDA 33014

SERIAL NUMBER: 08932680  
PATENT NUMBER:

FILING DATE: 09/18/1997  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

12-21-98

00928318

JLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of Conveying Party(ies):  
Timothy B. Meluch, Chung-Yuan Chiang, Thanh  
Nguyen, Kees Ruzius, George Washington

Additional name(s) of conveying party(ies) attached?  YES  NO

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: October 2, 1998

2. Name and address of receiving party(ies):

Name: Althin Medical, Inc.

Internal Address: \_\_\_\_\_

Street Address: 14620 N.W. 60th Avenue

City Miami Lakes State FL ZIP 33014

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

08/932,680

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lisa M. Caldwell  
 Klarquist Sparkman Campbell Leigh & Whinston, LLP  
 Internal Address:  
 One World Trade Center, Suite 1600  
 Street Address:  
 121 S.W. Salmon Street  
 City Portland State Oregon ZIP 97204-2988

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00 Enclosed

8.  Any deficiency/overpayment is authorized to be charged to deposit account 02-4550

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Lisa M. Caldwell

*Lisa M. Caldwell*

12/18/98

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 7

OMB No. 0651-0011 (exp. 4/94)



ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 10, 1999

PTAS

KLARQUIST SPARKMAN CAMPBELL ET AL  
LISA M. COLDWELL  
121 S.W. SALMON STREET  
SUITE 1600  
PORTLAND, OREGON 97204-2988



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RECORDATION DATE: 12/21/1998

REEL/FRAME: 9660/0164  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JAANINE, HAMID

DOC DATE: 07/31/1997

ASSIGNEE:

ALTHIN MEDICAL, INC.  
14620 N.W. 60TH AVENUE  
MIAMI LAKES, FLORIDA 33014

SERIAL NUMBER: 08774732

FILING DATE: 12/31/1996  
PATENT NUMBER: ISSUE DATE:

DIANE RUSSELE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

12-21-88

To the Honorable Commissioner of Patents or copy thereof.

100927313

ie attached original documents

1. Name of Conveying Party(ies):  
Hamid JaanineAdditional name(s) of conveying party(ies) attached?  YES  NO

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: July 31, 1997

2. Name and address of receiving party(ies):

Name: Althin Medical, Inc.

Internal Address: \_\_\_\_\_

Street Address: 14620 N.W. 60th Avenue

City Miami Lakes State FL ZIP 33014

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date  
of the application is:

A. Patent Application No.(s)

08/774,732

B. Patent No.(s)

1993 DEC 21 PM 2:01  
REC'D  
OPR/FINNACEAdditional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lisa M. Caldwell  
 Klarquist Sparkman Campbell Leigh & Whinston, LLP  
 Internal Address:  
 One World Trade Center, Suite 1600  
 Street Address:  
 121 S.W. Salmon Street  
 City Portland State Oregon ZIP 97204-2988

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00 Enclosed

8.  Any deficiency/overpayment is authorized to be charged to deposit account 02-4550

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Lisa M. Caldwell

*Lisa M. Caldwell*

12/18/93

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

OMB No. 0651-0011 (exp. 4/94)



Patent Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

MARCH 30, 1999

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KLARQUIST SPARKMAN CAMPBELL ETAL.  
LISA M. CALDWELL  
ONE WORLD TRADE CENTER, SUITE 1600  
121 S.W. SALMON STREET  
PORTLAND, OREGON 97204-2988



\*100928310A\*

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RECORDATION DATE: 12/21/1998

REEL/FRAME: 9649/0768  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

RADOVICH, JOHN M.

DOC DATE: 09/29/1998

ASSIGNOR:

ALTHIN MEDICAL, INC.  
14620 N.W. 60TH AVENUE  
MIAMI LAKES, FLORIDA 33014

SERIAL NUMBER: 08932680

FILING DATE: 09/18/1997  
PATENT NUMBER: ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

h

12.21.98

100928310

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of Conveying Party(ies):  
John M. RadovichAdditional name(s) of conveying party(ies) attached?  YES  NO

3. Nature of Conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: September 29, 1998

2. Name and address of receiving party(ies):

Name: Althin Medical, Inc.

Internal Address: \_\_\_\_\_

Street Address: 14620 N.W. 60th Avenue

City Miami Lakes State FL ZIP 33014

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date  
of the application is:

A. Patent Application No.(s)

08/932,680

B. Patent No.(s)

DPR/FINANCIAL

1998 DEC 21 PM

Additional numbers attached?  Yes  No5. Name and address of party to whom  
correspondence concerning document should be  
mailed:6. Total number of applications and patents  
involved: 1

Name: Lisa M. Caldwell  
Klarquist Sparkman Campbell Leigh & Whinston, LLP  
Internal Address:  
One World Trade Center, Suite 1600  
Street Address:  
121 S.W. Salmon Street  
City Portland State Oregon ZIP 97204-2988

7. Total fee (37 CFR 3.41): \$40.00 Enclosed8.  Any deficiency/overpayment is authorized to  
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached  
copy is a true copy of the original document.*

Lisa M. Caldwell

*Lisa M. Caldwell*

12/11/98

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

OMB No. 0651-0011 (exp. 4/94)